

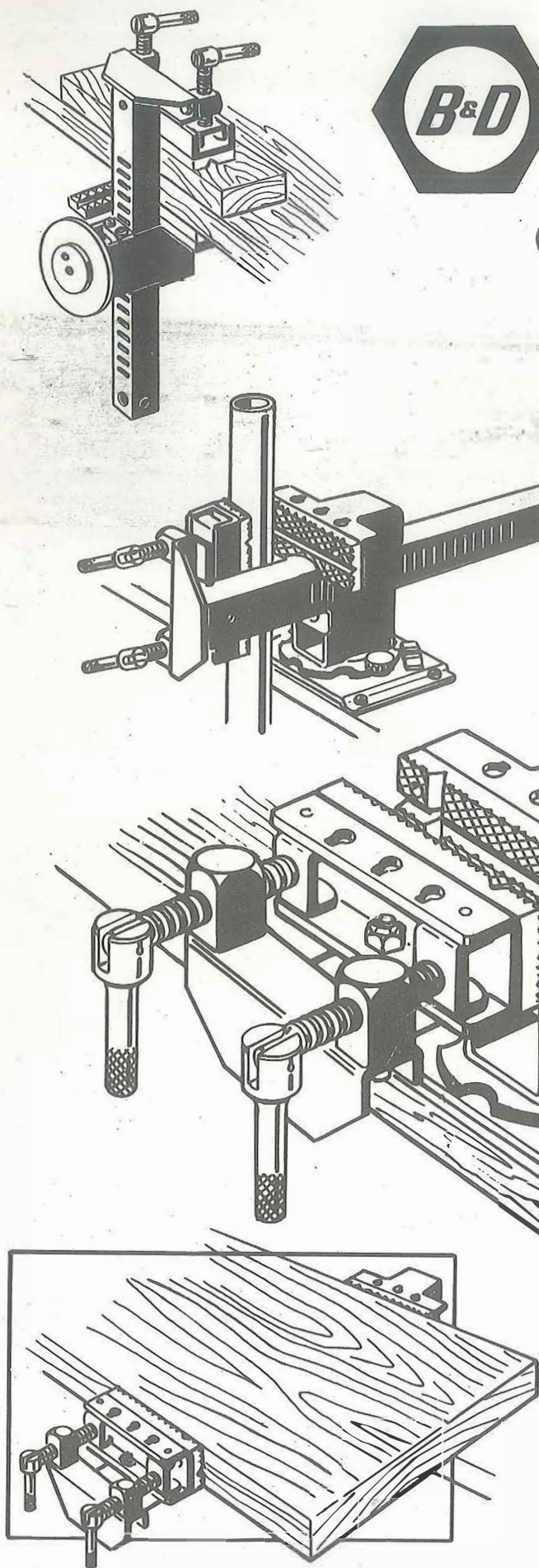


Wt. 11 1/2 LBS.

Black & Decker®

OWNER'S MANUAL **QUICK VISE** **MODEL 79-080**

- NO ASSEMBLY REQUIRED
- MUST BE MOUNTED
SECURELY TO WORK SURFACE



This instruction manual will familiarize you with the "Quick Vise". It lists important facts and features which describe the "Quick Vise" basic working techniques.

Complete set up instructions and various situations are also provided.

**READ THIS MANUAL CAREFULLY.
SAVE THIS MANUAL FOR
FUTURE REFERENCE.**

SAFETY RULES

1. Be sure the unit is securely mounted to work surface.
2. Avoid applying excessive force when clamping.
3. When using a power tool with the "Quick Vise", follow the safety rules in the tool's owners manual.
4. Always wear safety glasses when operating power tools.
5. Never mount power tools directly in vise jaws. Pressure may damage tools.
6. An even pressure of the vise jaws on the work piece is essential. Tighten both vise jaws uniformly.

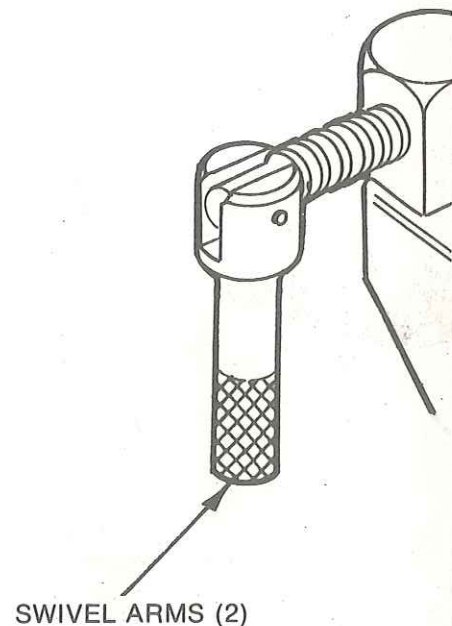
QUICK VISE CARTON CONTENTS

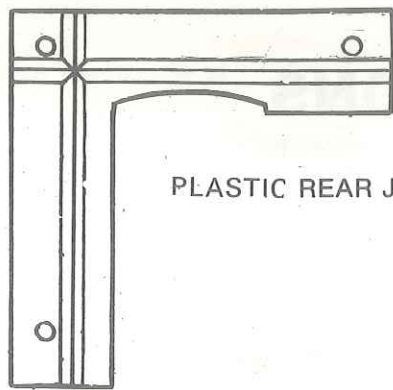
The vise comes completely assembled with steel jaws and is ready for use after mounting to work surface. See Figure 1.

The plastic jaws are provided for light wood work. A Phillips head screwdriver is required to replace jaws. (See Figure 1).

Four swivel pegs are included to grip odd shaped and flat objects. (See Figure 1).

Covered by one or more of the following U.S. Patents 3,615,087; 3,841,619; 4,034,684; 4,076,229; 4,127,260; 4,140,309; 4,253,212; 243,820; 4,248,411; 4,265,436; Pat. pending; Corresponding patents in other countries.





PLASTIC REAR JAW



PLASTIC FRONT JAW

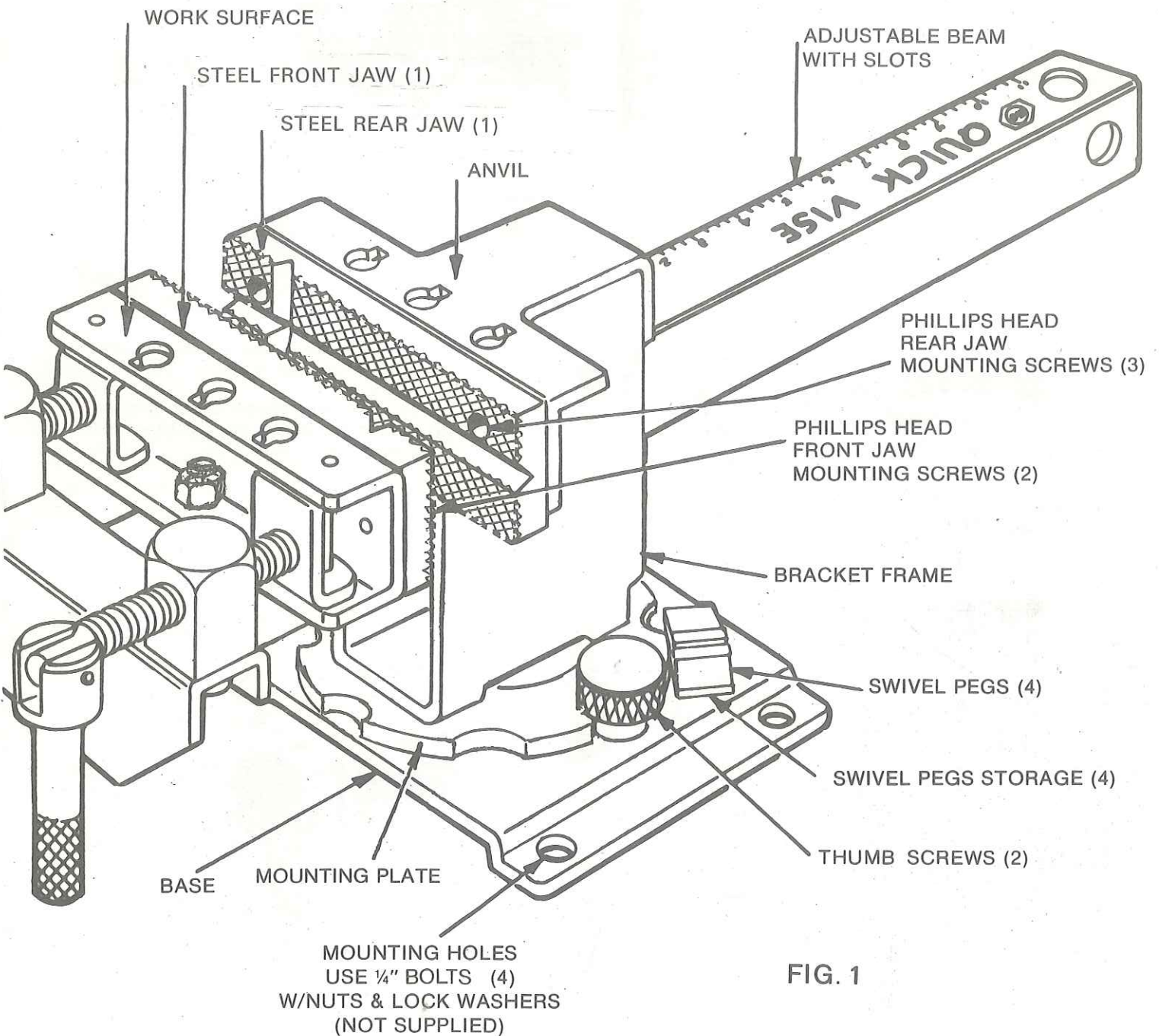


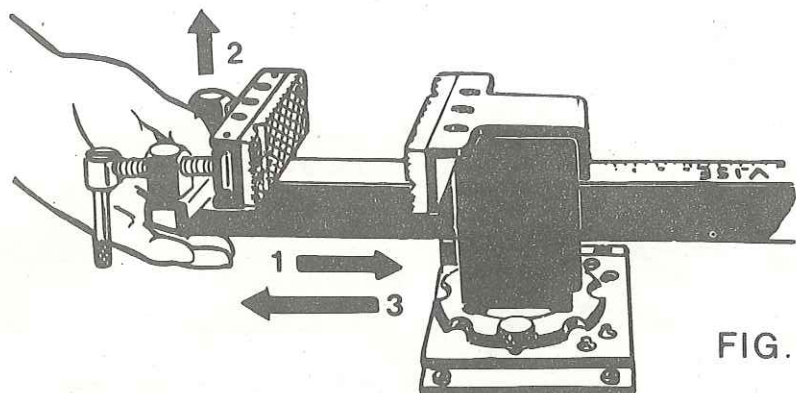
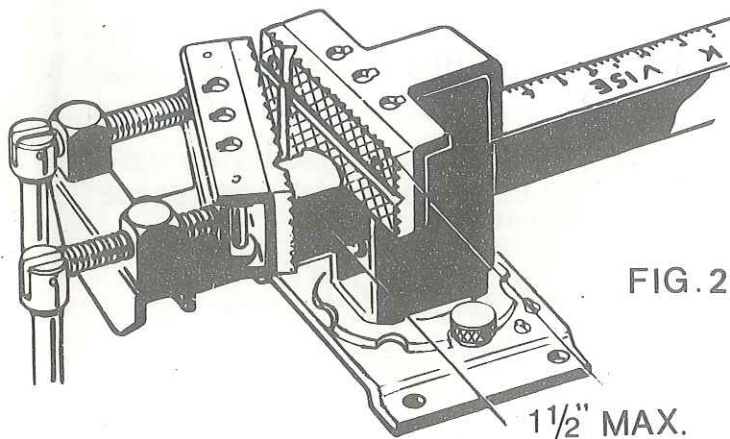
FIG. 1

QUICK VISE OPERATIONS

The prime feature of the "Quick Vise" is its ability to hold a great variety of different shaped pieces in a secure, convenient working position.

1. Front Jaw Adjustments

The two swivel arm handles adjust the vise jaws to a $1\frac{1}{2}$ " jaw angular relationship. (See Figure 2)



2. Beam Extension

The beam can be fixed in any extended position by opening the jaws and pushing back on the beam then lift upward and pull outward. (See Figure 3).

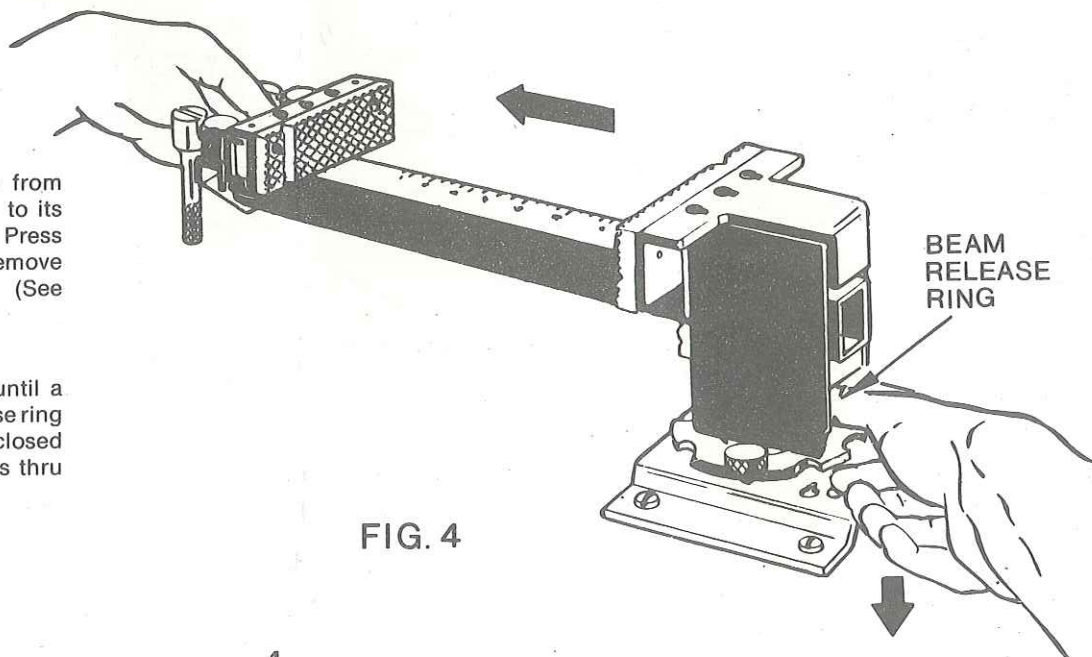
To push beam toward closed position push in and pull up front of beam and move it to desired position.

3. Beam Removal

To remove the beam completely from the vise bracket extend the beam to its maximum position (See Step 2). Press down on beam release ring and remove beam completely from bracket. (See Figure 4).

4. Beam Insertion

Engage end of beam into frame until a stop is felt. Depress the beam release ring and continue to push beam toward closed position; as soon as beam appears thru base frame, release ring.



5. Beam Rotation for Vertical Clamping

Remove beam as per step 3. Rotate front jaw and beam to align with the vertical clamp surface of rear jaw. Insert beam into frame per step 4 and push to desired position. (See Figure 5).

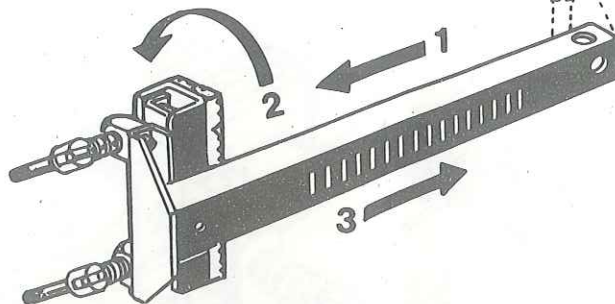


FIG. 5

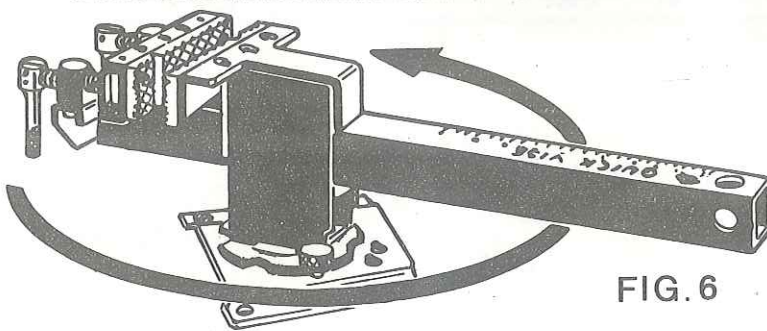


FIG. 6

6. Rotation of Vise in Base

To rotate vise in base at the incremented 45° positions loosen the two thumb screws on either side of the base. Rotate vise to desired position and tighten clamps. (See Figure 6).

NOTE: Thumb screws need only be finger tight to secure base.

7. Removal of Vise completely from bench base plate

Loosen both thumb screws to sufficiently clear mounting plate, so that entire vise can be removed from base. (See Figure 7).

To reassemble, reverse step 7 procedure.

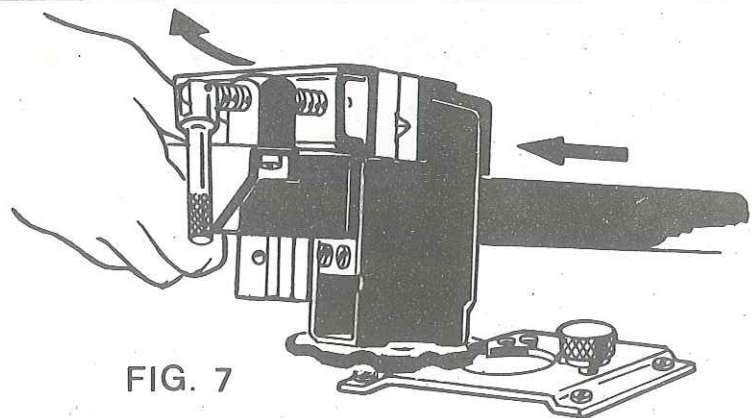


FIG. 7

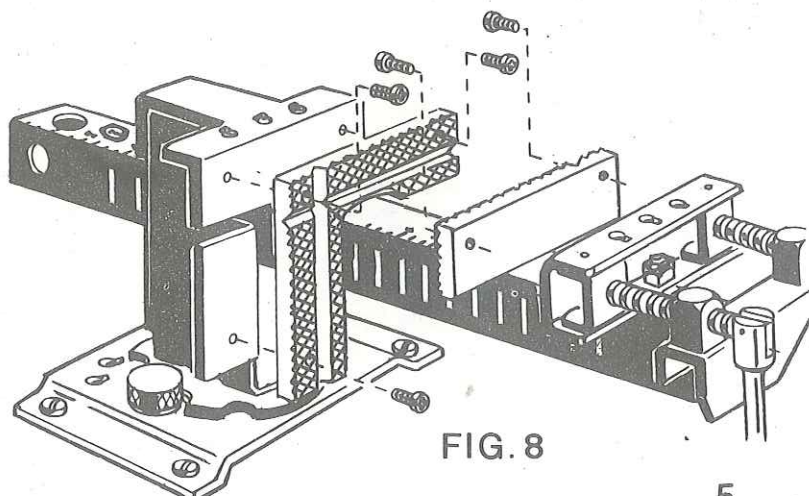


FIG. 8

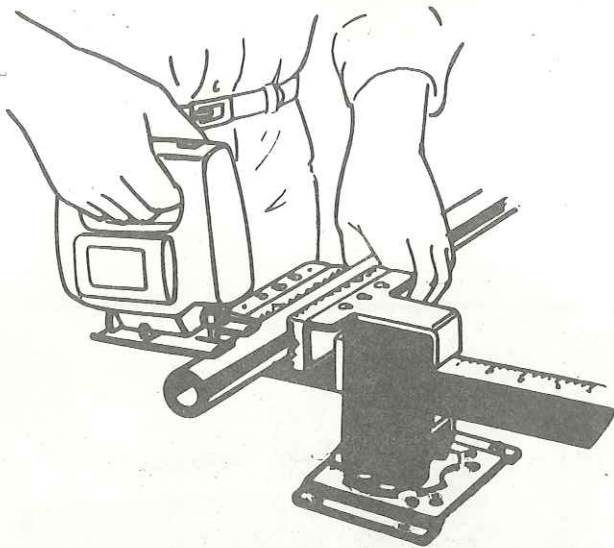
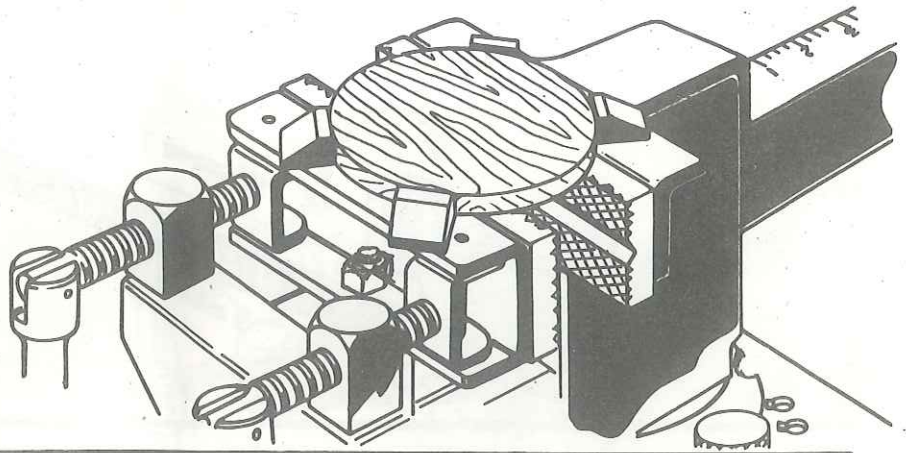
8. Changing Vise Jaws

To replace jaws, remove the two (2) Phillips head screws on the front jaw and (3) Phillips head screws on the rear jaw. Replace the screws into the new jaws and tighten. (See Figure 8).

QUICK VISE USES

1. Using the swivel pegs can increase the holding ability of various shapes in the vise. (See Figure 9).
2. The swivel pegs are provided with keyway tabs to secure them in their storage and operating position. Rotate peg to face mounting plate and lift from base. Position key in keyway of work surface and rotate peg to operating position.

FIG. 9



3. Sawing dowels or fitting pipe is easy when they are held either vertically or horizontally in the "V" grooves. (See Figure 10).
NOTE: use steel jaws when heating work piece

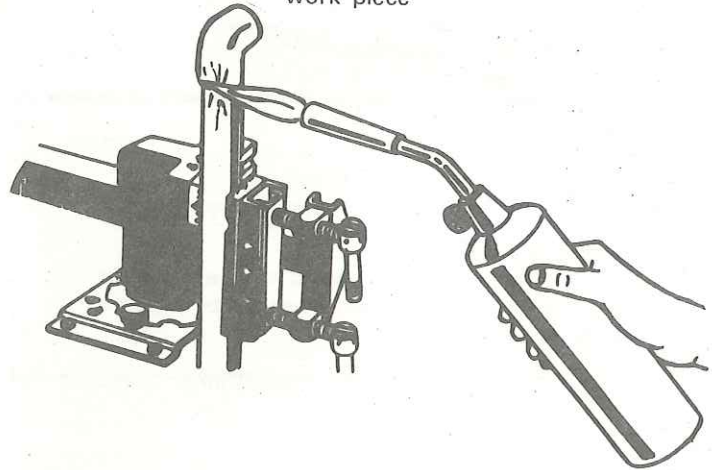


FIG. 10

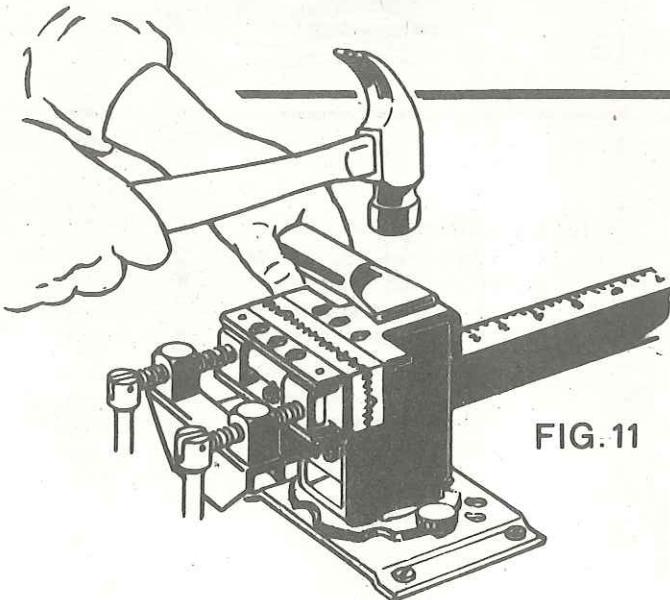


FIG. 11

4. The anvil section of the rear jaw provides a smooth surface upon which bent nails can be straightened, pipe ends and solid rods flattened, etc. (See Figure 11).
THE ANVIL IS THE ONLY AREA TO BE USED FOR THIS PURPOSE.

5. For fragile or polished surfaces, the plastic jaws are recommended i.e. cutting of wood/fibreboard trim boards, picture frame repairs, etc. (See Figure 12 & 13).

For metals and rough boards, the metal jaws are recommended i.e. bending or forming sheet metal, nailing into wood, etc.

FIG. 12

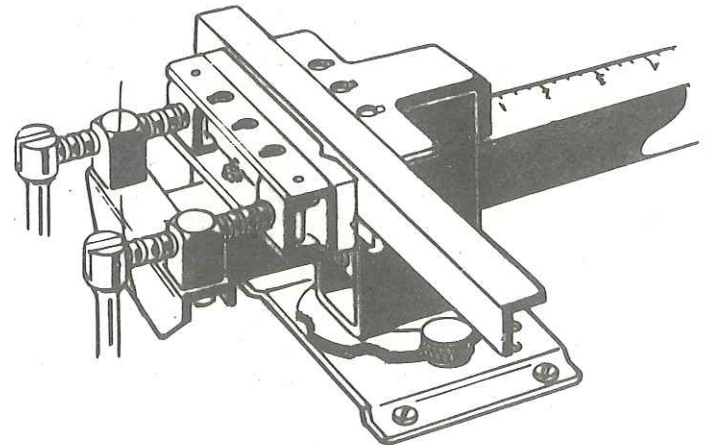
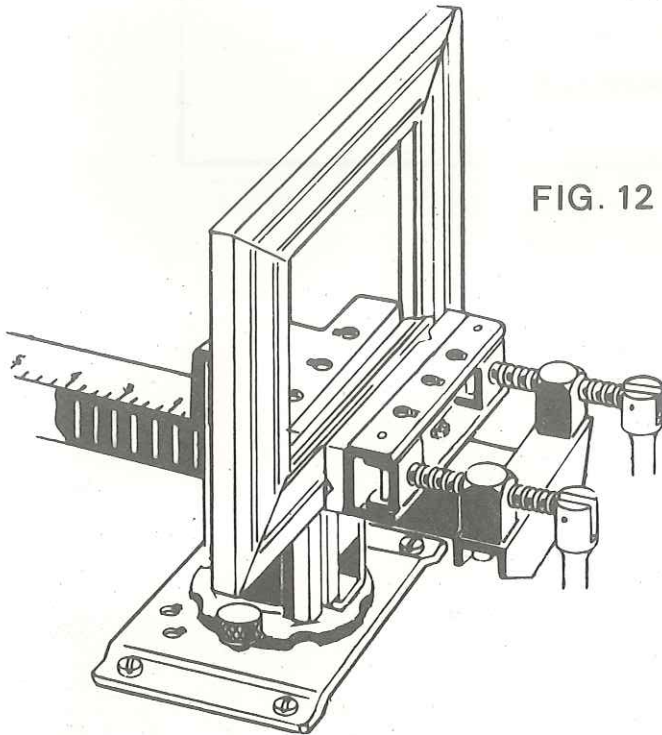
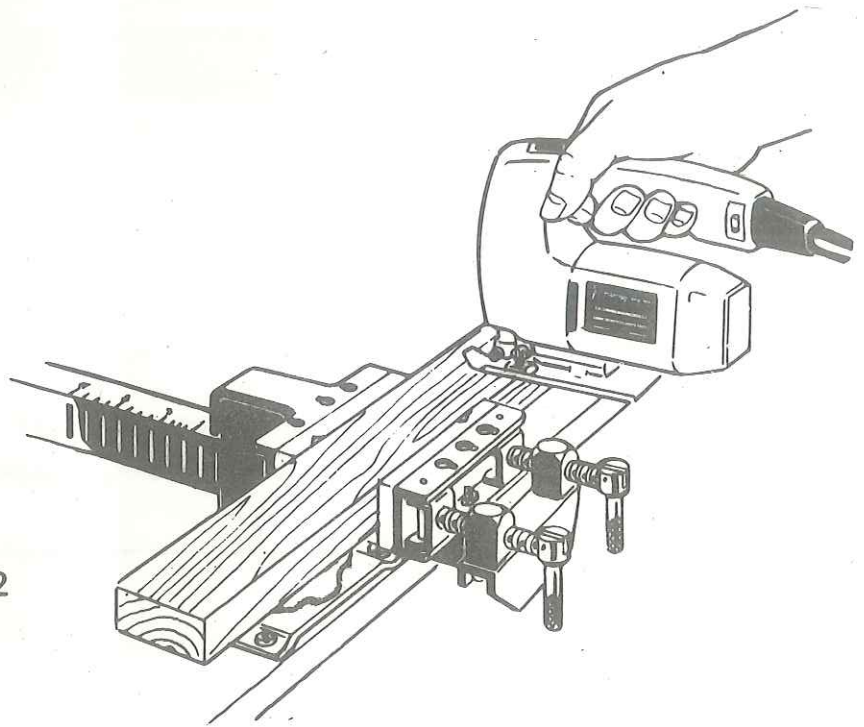
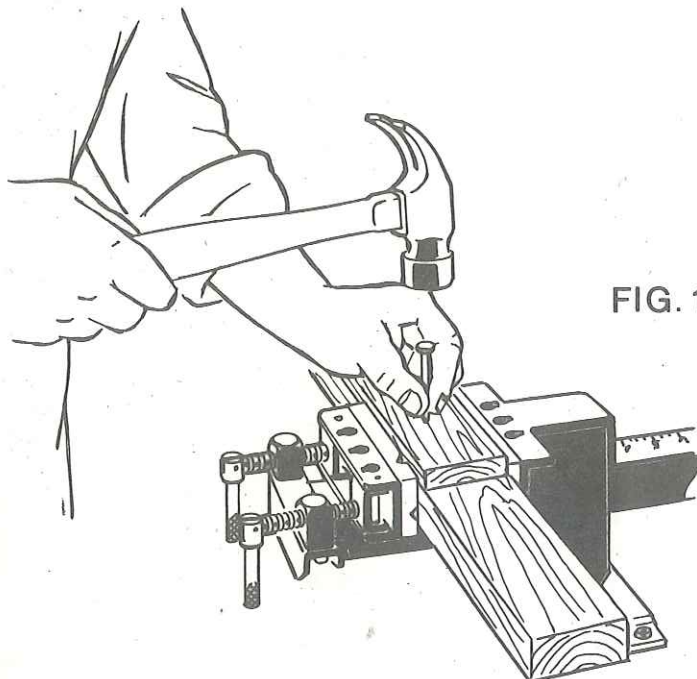


FIG. 13



MAINTENANCE TIPS

1. If binding of vise jaws occurs, cleaning of vise screw threads may be required.
2. Some light oil can be used to reduce rusting of worn parts.
3. Periodically . . . check the tightness of all assembly screws.

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